



# Infectious Disease Epidemiology Report



## Invasive Group B Streptococcal disease, 2005 -- provisional

### Background

The Infectious Disease Epidemiology program of the Maine Center for Disease Control and Prevention monitors the incidence of invasive Group B Streptococcal (GBS) disease through mandatory reporting by health care providers, clinical laboratories and other public health partners. This report summarizes surveillance data on cases of invasive GBS from 2005.

### Methods

Invasive GBS is defined as isolation of Group B *Streptococcus* from a normally sterile site (e.g., blood or cerebrospinal fluid [CSF] or, less commonly, joint, pleural, or pericardial fluid). Early onset cases occur at <7 days of age and late-onset cases occur between 7 and 90 days of age. Standardized case report forms that include information on demographic characteristics, clinical syndromes, and outcomes of illness were completed for each reported case in 2005. All rates of invasive GBS were calculated using U.S. Bureau of Census Maine population counts for 2000.

### Results

A total of 24 cases of invasive GBS were reported in 2005. The rate of GBS in Maine was 1.9 cases per 100,000 population in 2005. Twelve cases (50%) were found among males. Twenty-three cases that had racial demographics available were identified as White. Twenty-two cases (92%) were hospitalized as a result of invasive GBS. No deaths were associated with invasive GBS in 2005.

### Invasive GBS by age – Maine, 2005

Age Years	Cases	
	No.	Rate*
<1	3	22.3
1	0	0
2-4	0	0
5-17	1	0.4
18-34	0	0
35-49	3	1.0
50-64	6	2.8
≥65	11	1.9
<b>Total</b>	<b>24</b>	<b>1.9</b>

\* Cases per 100,000 population

### Invasive GBS by syndrome\* – Maine, 2005

Syndrome	No.	(%)
Cellulitis	4	19.0
Foot ulcer	1	3.1
Osteomyelitis	3	9.4
Pneumonia	5	15.6
Primary bacteremia	17	53.1
Sepsis	1	3.1
Septic arthritis	3	9.4
Urinary tract infection	2	6.3

\* Some cases had more than one syndrome

### Healthy People 2010

Objective: Decrease the incidence of invasive early-onset group B Streptococcal disease to 0.5 cases per 1,000 live births.

### Early and late-onset invasive GBS – Maine, 2005

Onset	No.	Rate*
Early (<7 days)	1	0.1
Late (>7 and <90 days)	2	0.1

\* Cases per 1,000 persons <1 yr

### Invasive GBS by county – Maine, 2005

